

HAZARD MITIGATION RISK ANALYST

RESOURCE CATEGORY	Hazard Mitigation
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Hazard Mitigation (HM) Risk Analyst provides factual bases for activities proposed in the strategy portion of a hazard mitigation plan and uses Geographic Information Systems (GIS) and GIS maps to highlight risks
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource or in conjunction with a National Incident Management System (NIMS) typed team (Hazard Mitigation Operations Team and Hazard Mitigation Planning Team) 2. Discuss logistics for this position, such as working conditions, length of deployment, security, lodging, transportation and meals, prior to deployment

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
DESCRIPTION	<p>The Type 1 HM Risk Analyst:</p> <ol style="list-style-type: none"> 1. Prepares risk analytics and facilitates risk assessment processes for all of a community's mitigation efforts, including: <ol style="list-style-type: none"> a. HM planning b. Post-disaster Hazard Mitigation Grant Program (HMGP) Subgrant project application development c. Hazard Mitigation Assistance (HMA) Subgrant applications d. FEMA Public Assistance (PA) mitigation project applications 2. Supports loss avoidance studies and explains the relevance of hazard risks to building codes and building performance 3. Translates technical data for both technical and non-technical audiences and produces maps and technical reports on hazard/risk assessments 	<p>The Type 2 HM Risk Analyst:</p> <ol style="list-style-type: none"> 1. Provides support to jurisdictions with technical assistance and risk analysis guidance for HM Plan development or update and HMA Grants 2. Supports analyzing risk and vulnerability, providing technical assistance for Benefit-Cost Analyses (BCA), and Loss Avoidance studies 3. Assists stakeholders in defining GIS products for risk analysis and produces maps based on hazard/risk assessments 	<p>The Type 3 HM Risk Analyst:</p> <ol style="list-style-type: none"> 1. Assists with basic risk analysis technical assistance and guidance for local or state HM Plan development or update with regard to HMA and Cooperating Technical Partners (CTP) Grants 2. Produces GIS maps, as directed, to illustrate hazard risk 3. Collaborates with the floodplain manager to ensure compliance with National Flood Insurance Program (NFIP) requirements 	Not Specified
EDUCATION	Not Specified	Not Specified	Not Specified	Not Specified

Position Qualification for Operational Coordination
Hazard Mitigation

COMPONENT	TYPE 1	TYPE 2	TYPE 3	NOTES
TRAINING	Same as Type 2	Same as Type 3	Completion of the following: 1. IS-100: Introduction to Incident Command System, ICS-100 2. E-190: ArcGIS for Emergency Managers 3. IS-700: An Introduction to the National Incident Management System 4. IS-922: Applications of GIS for Emergency Managers 5. Training on GIS software to include: a. Basics editing and managing of Geo Databases b. Understanding GIS Queries	Not Specified
EXPERIENCE	Same as Type 3, PLUS: 1. Working knowledge of local and/or tribal HM planning risk assessment mitigation strategy development requirements, HMA grants, and FEMA PA mitigation grants 2. Ability to effectively explain risk analysis to non-technical audiences	Same as Type 3	Experience that demonstrates the ability to use GIS tools, modeling, and available datasets for risk analysis including: 1. US Geological Survey Hazards Data Distribution System 2. Federal Geographic Data Committee Geospatial Platform (GeoPlatform) 3. FEMA Risk Mapping, Assessment, and Planning (Risk MAP)	Not Specified
PHYSICAL/MEDICAL FITNESS	Same as Type 2	Same as Type 3	Light	The NIMS Guideline for the National Qualification System (NQS) defines Physical/Medical Fitness levels for NIMS positions
CURRENCY	Not Specified	Not Specified	Not Specified	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Specified	Not Specified	Not Specified



Position Qualification for Operational Coordination Hazard Mitigation

NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, NIMS 508: Hazard Mitigation Operations Team
2. FEMA, NIMS 508: Hazard Mitigation Planning Team
3. FEMA, NIMS 509: Geographic Information Systems (GIS) Analyst
4. FEMA, National Incident Management System (NIMS), October 2017
5. FEMA, National Disaster Recovery Framework, June 2016
6. FEMA, National Mitigation Framework, June 2016
7. FEMA, National Response Framework, June 2016
8. FEMA, NIMS Guideline for the National Qualification System, November 2017
9. FEMA, The FEMA Qualifications System (FQS), FQS Guide: Appendix B: Incident Management Position Qualification Sheets, December 2012